

ATTACHMENT J2

Hill AFB Natural Gas Distribution System

TABLE OF CONTENTS

HILL AFB NATURAL GAS DISTRIBUTION SYSTEM.....	I
J2 HILL AFB NATURAL GAS DISTRIBUTION SYSTEM	1
J2.1 HILL AFB OVERVIEW	1
J2.1.1 INSTALLATION HISTORY	1
J2.1.2 MISSION, ORGANIZATION, AND ASSOCIATE UNITS.....	2
J2.1.3 POPULATION	3
J2.1.4 HOUSING	3
J2.1.5 UTAH TEST AND TRAINING RANGE	3
J2.1.6 LITTLE MOUNTAIN TEST ANNEX.....	4
J2.1.7 GEOGRAPHICALLY SEPARATED UNITS	4
J2.2 NATURAL GAS DISTRIBUTION SYSTEM DESCRIPTION	5
J2.2.1 NATURAL GAS DISTRIBUTION SYSTEM FIXED EQUIPMENT INVENTORY	5
J2.2.1.1 DESCRIPTION	5
J2.2.1.2 INVENTORY	6
J2.2.2 NATURAL GAS DISTRIBUTION SYSTEM NON-FIXED EQUIPMENT AND SPECIALIZED TOOLS.....	9
J2.2.3 NATURAL GAS DISTRIBUTION SYSTEM MANUALS, DRAWINGS, AND RECORDS.....	9
J2.3 SPECIFIC SERVICE REQUIREMENTS.....	10
J2.4 CURRENT SERVICE ARRANGEMENT.....	10
J2.5 SECONDARY METERING	11
J2.5.1 EXISTING SECONDARY METERS.....	11
J2.5.2 REQUIRED NEW SECONDARY METERS	13
J2.6 MONTHLY SUBMITTALS.....	13
J2.7 ENERGY SAVING PROJECTS	14
J2.8 SERVICE AREA	15
J2.9 OFF-INSTALLATION SITES.....	15
J2.10 SPECIFIC TRANSITION REQUIREMENTS.....	15
J2.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES.....	15

LIST OF TABLES

TABLE 1 - FIXED INVENTORY	7
TABLE 2 - SPARE PARTS	9
TABLE 3 - SPECIALIZED VEHICLES AND TOOLS.....	9
TABLE 4 - MANUALS, DRAWINGS, AND RECORDS	10
TABLE 5 - AVERAGE MONTHLY CONSUMPTION.....	11
TABLE 6 - EXISTING SECONDARY METERS.....	11
TABLE 7 - NEW SECONDARY METERS.....	13
TABLE 8 - SERVICE CONNECTIONS AND DISCONNECTIONS.....	15
TABLE 9 - SYSTEM DEFICIENCIES.....	15

J2 Hill AFB Natural Gas Distribution System

J2.1 Hill AFB Overview

Located in the Salt Lake Valley west of the Wasatch Mountains and overlooking the Great Salt Lake to the west, Hill Air Force Base (HAFB) is seven miles south of Ogden, Utah and 35 miles north of Salt Lake City. The Main Base occupies approximately 6,689 acres, 6,641 Fee and 48 leased (primarily railroad). Outlying installations include the Little Mountain Test Annex (740 acres), 25 miles northwest of the Base between Ogden City and the Great Salt Lake, and the Utah Test and Training Range (UTTR). The UTTR consists of 954,471 acres and almost 13,000 nautical square miles of airspace approximately 50 air miles west of HAFB.

Acquisition of land began in the 1940s when approximately 3,200 acres, comprising the western side of Hill AFB, was acquired from the Army. Another major acquisition occurred in 1977 when Hill acquired 760 acres from Ogden Arsenal. Approximately 120 other fee tracts, ranging from a fraction of an acre to 320 acres, were acquired from businesses and individuals through the 1940s and 1950s. Approximately 30 additional fee tracts were acquired in the 1960s and 1970s as part of the Air Installation Compatible Use Zones (AICUZ) initiative. By executive order, the vast majority of the UTTR was “withdrawn” from the Bureau of Land Management (North Range in 1940 and South Range in 1941). Little Mountain was acquired (Fee) in 1957.

Hill AFB has 1,916 structures, 1,371 buildings, and over 14 million square feet (msf) of floor space comprised of the following major functional categories: Industrial: 4,542,697 square feet (SF); Administrative: 1,542,797 SF; Military Family Housing (MFH): 1,607,605 SF; Unaccompanied Housing: 261,410 SF; Transient Quarters: 55,168 SF; and Other Community/Support: 696,137 SF; and other facilities: 5,300,000 SF.

Hill AFB expects to add 48 additional facilities totaling 957,115 square feet over the next 10 years, and an additional 9 facilities with approximately 601,483 square feet between 10 - 20 years. Hill will require the Contractor to provide all supporting utilities and will negotiate appropriate fee increases to cover the cost of utility construction.

The Base has a 13,500-foot runway that handles more than 40,000 takeoffs and landings annually. It also has 228 miles of roadway and 28 miles of railroad.

J2.1.1 Installation History

The present day HAFB has its roots in two separate entities: the Ogden Arsenal and Hill Field. Though these installations existed as neighbors for over a decade, and for years were both within the structure of the U.S. Army, they pursued separate missions.

Ogden Arsenal, originally established to store surplus World War I munitions, became an important supply center during World War II. The Installation stored and shipped a full range of ordnance and transportation equipment. The Arsenal also manufactured various munitions during World War II.

Hill Field was constructed in response to a War Department initiative in 1939 to increase arms production and expand military operations. Hill Field, southeast of the Arsenal, served as a supply center, but its focus was air material, repair, and maintenance of aircraft. In November 1940, the Army Air Corps activated on Hill Field the Ogden Air Depot.

After World War II, the dominant role of Hill Field was the storage of over 1,200 aircraft and support equipment. Hill Field became HAFB in 1948 with the establishment of the U.S. Air Force as a separate service. With the onset of the Korean War, HAFB reactivated and returned to flying readiness B-26 and B-29 aircraft. In 1955, the Base nearly doubled in size with the annexation of the adjacent Arsenal and the broad physical parameters that currently describe HAFB were established.

J2.1.2 Mission, Organization, and Associate Units

Hill AFB and its associated Little Mountain Test Annex and the UTTR occupy a vital place in the Air Force and Air Force Material Command (AFMC) inventory of installations. The host organization is the Ogden Air Logistics Center (OO-ALC). The Base also hosts more than 40 tenants, including combat forces (the 388th Fighter Wing and the 419th Fighter Wing [Air Force Reserve]) as well as the Defense Megacenter Ogden and the Defense Logistics Agency (DLA).

The OO-ALC provides worldwide engineering support and logistics management for the F-16 Flying Falcon as well as maintaining F-16 and C-130 aircraft. More than 250 aircraft and 16,800 avionics and structural components are processed annually. Hill AFB is also responsible for worldwide logistics management for the nation's fleet of intercontinental ballistic missiles. The Base overhauls and repairs landing gear, wheels, and brakes; rocket motors; air munitions and guided bombs; photonics equipment; training devices; avionics; instruments; hydraulics; software and other aerospace related components.

The UTTR is used for tests of conventional and smart munitions, missile motors, and long-range standoff weapons. It also supports tactical aircraft, bomber, and helicopter training and large force exercises.

Major units at HAFB include:

- 388th Fighter Wing (Air Combat Command)
- 419th Fighter Wing (Air Force Reserve)
- Defense Megacenter Ogden (Defense Information Systems Agency)
- Defense Depot Hill Utah (Defense Logistics Agency)
- Defense Commissary Agency
- Defense Finance and Accounting Agency
- Defense Contract Audit Agency
- Air Force Judiciary Area Defense Counsel
- Defense Reutilization and Marketing Office
- Army and Air Force Exchange Service
- Air Force Audit Agency

- Air Force Office of Special Investigations, Detachment 113
- Air Education and Training Command
- U.S. Army Corps of Engineers
- Tooele Army Depot Rail Center
- Small Business Administration
- Forest Service (U.S. Department of Agriculture)

J2.1.3 Population

The Base population profile is as shown in the following table:

Category	Population
Active Duty U.S. Military	4,625
Air National Guard/ Air Force Reserve	1,112
Appropriated Fund Civilians (including Reserve technicians)	11,187
Non-appropriated Fund Civilians	363
Private Business (Bank/Credit Union)	30
Contractors	3,718
Active Duty Military Dependents (resident on Base)	3,500
Total	24,535*
*Includes Little Mountain Test Annex and UTTR	

J2.1.4 Housing

Hill AFB has 1,141 MFH units located in three areas on the Base. Area A (14 units), located in the western edge of the Base immediately north of the 1200 Area; Area B (11 units), located in the center of the Main Base; and Areas D/E/F/G (1,116 units) located in the southwest corner of the Base.

The units in Areas A and B were built in the 1930s and 40s, Areas D/E (500 units) in the mid 1960s, and Area F (270 units) in the mid 1970s. The 350 units in Area G were built in the mid 1990s to replace the 350 units that were demolished in the old Area C located to the east of the runway. Currently, the 1,116 MFH units in Areas D/E/F/G are being considered for privatization.

J2.1.5 Utah Test and Training Range

UTTR is a very large and isolated aerial gunnery, bombing and test range located approximately 60 miles due west of Hill AFB (west side of the Great Salt Lake). UTTR total land area covers 954,471 acres. The aerial portion of the range is considerably larger and merges with Dugway Proving Ground's air space, some 50 miles to the south. The central cantonment area for UTTR is referred to as Oasis. It is comprised of several facilities housing range control, safety, civil engineering, explosive ordnance disposal (EOD), vehicle

maintenance, fire department, security, billeting, food service, and multi-purpose recreation activities. The entrance to the UTTR munitions/missile storage area (MSA) is located approximately one mile to the north of Oasis. The MSA has a perimeter of approximately 13 miles and encloses about 5,000 acres. Apart from the Oasis central cantonment area, there are several small isolated sites (Grassy Mountain, Diddle Knoll, and several others) that accommodate radar, communications, telemetry, and photographic activities. These sites are situated either on mountain peaks or on sites adjacent to the targets. Oasis population remains fairly stable through the workweek with many employees choosing to live in Government quarters rather than commute daily to their homes in distant cities. (Normally, the UTTR is on a four-day workweek, four 10-hour shifts.) The population diminishes considerably on weekends with only a handful of security and fire protection personnel remaining on site. Most of the isolated sites remain unmanned except for special range events. Average site population is approximately 30 contract personnel and 120 Government employees (military and civilian). Utility systems are Government-owned and operated by Air Force civilian employees.

J2.1.6 Little Mountain Test Annex

The Little Mountain Test Annex is located approximately 26 miles northwest of Hill AFB, adjacent to the Great Salt Lake. The total site covers 750 acres; the Main Cantonment area covers about 50 acres and is comprised of 16-18 buildings with an aggregate of 140,000 square feet. The site was constructed in the late 1950s, closed for a period of time in the late 1960s, and then subsequently reopened. Facilities are high-tech test facilities with special electrical loads and demanding HVAC parameters. Site population consists of approximately 60-70 contract test personnel plus four civil engineer craftsmen all of whom work an extended shift (10 hours/day) Monday through Thursday. Three firemen remain on site round-the-clock. Utility systems are Government-owned and operated by Air Force civilian employees.

J2.1.7 Geographically Separated Units

Other geographically separated units (GSUs) are summarized below:

WENDOVER FIELD

Wendover Field is a radar, telemetry, and microwave communications site located approximately 150 miles west of Hill AFB on the Utah-Nevada border. In years past, the site had an airstrip but it has since been turned over to the City of Wendover, Utah. The Air Force compound covers approximately 160 acres.

BOVINE

Bovine is a radar site approximately 30 miles east of Motello, Nevada and 54 miles due north of Wendover Field.

TROUT CREEK

Trout Creek is a complex very similar to Bovine on the Utah-Nevada border with the same utility arrangements.

CARTER CREEK

Carter Creek is an Air Force-owned recreational facility located approximately 110 miles from Hill AFB. .

BOULDER

The Boulder, Wyoming site, also known as Pinedale, is a special test facility located approximately 125 miles northeast of Hill AFB. Utility arrangements are much the same as the Bovine and Trout Creek sites.

J2.2 Natural Gas Distribution System Description

J2.2.1 Natural Gas Distribution System Fixed Equipment Inventory

The Hill AFB natural gas distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, regulators, meters, and cathodic protection. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the gas distribution system privatization:

- Vehicular compressed natural gas (CNG) filling stations.

J2.2.1.1 Description

MAIN BASE

Natural gas is utilized as the primary fuel for domestic usage, process applications, and to operate the heating plants. Questar Gas Company (Questar) (formerly known as Mountain Fuel Supply Company) delivers natural gas to Hill AFB at nine metered delivery points along the perimeter of the Base at a pressure of 200 - 400 pounds per square inch gauge (psig). From the metering points, the odorized gas is reduced to a distribution pressure of 35 - 40 psig. The gas supply is purchased via a Government-wide supply contract. The present natural gas supplier for the heating plants is Wasatch Energy Corporation of Utah. All other gas is purchased from Questar.

For assessment purposes, the Main Base area was divided into 12 similar condition areas. In all areas, the piping is approximately three feet below the ground surface, the distribution pressure is 35 - 40 psig, the isolation valves are polyethylene (PE) plug valves (not at all junctions), and none of the systems have been modeled. No significant pipe failures have occurred in the last several years. Tracer wire is in place for virtually all natural gas PE pipe.

A leak detection test is conducted once a year and the most problematic area is in the housing area.

UTTR

Odorized natural gas is supplied by Questar at a delivery pressure of 200 – 300 psig and is billed based on the master meter readings. Natural gas is available to the Oasis complex by virtue of a large natural gas pipeline installed near the Oasis complex several years ago. This pipeline fueled massive water pumps that were used to control the water level of the Great Salt Lake. The Air Force-owned natural gas distribution system feeds essentially all the buildings in the Oasis complex. The distribution system is comprised of poly-pipe, approximately 18 years old, and is considered to be in good condition. A map was provided of the UTTR natural gas system (scale of 1"=1,200'). The gas lines for the various line sizes were measured and are provided in the inventory analysis. No valves or services were shown on the map. The number of valves and services was estimated and is included in the inventory costs.

LITTLE MOUNTAIN TEST ANNEX

Questar supplies odorized natural gas to the annex at 200 - 400 psig through a single master meter at an uninterruptible rate. The Air Force-owned distribution system actually begins approximately 1.5 miles from the Little Mountain annex property line. The Air Force has been granted a right-of-way, parallel to the access road, for this supply line that ties the annex to Questar's distribution network. The main distribution line is 4-inch poly pipe that is approximately 10 years old and in very good condition. The primary consumer of natural gas is the heating plant (heats 85 percent of the buildings in the annex), although several other facilities with stand-alone heating systems are connected to the natural gas network. Long-range plans call for extending the natural gas network and connecting all Installation facilities.

A gas leak survey on the entire natural gas piping at Hill AFB, UTTR, and Little Mountain has been performed on a regular basis since 1987 with the exception of 1988, 1990, and 1992. A gas leak detection survey was completed during the summer of 1999.

GSUs

Wendover Field. There is no natural gas on the site.

Carter Creek, Bovine, Trout Creek, and Boulder. There are no Air Force-owned gas distribution systems to be privatized at these sites.

J2.2.1.2 Inventory

Table 1 provides a general listing of the major natural gas distribution system fixed assets for the Hill AFB natural gas distribution system included in the privatization package.

TABLE 1
 Fixed Inventory
 Natural Gas Distribution System - Hill AFB

Component	Size	Quantity	Unit	Approximate Year of Construction
MAIN BASE (SNOW FEED, 1100 ZONE, 1200 ZONE, EAST AREA, WEST AREA, AND SAC AREA)				
Pipe				
PE	<2"	2,700	LF	1985
PE	<2"	6,560	LF	1986
PE	<2"	5,380	LF	1995
PE	2-2½"	11,380	LF	1985
PE	2-2½"	27,300	LF	1986
PE	2-2½"	460	LF	1995
PE	2-2½"	4,450	LF	1996
PE	2½"	470	LF	1985
PE	3"	2,920	LF	1985
PE	3"	8,130	LF	1986
PE	3"	3,560	LF	1995
PE	4"	3,890	LF	1985
PE	4"	4,780	LF	1986
PE	4"	9,850	LF	1995
PE	6"	4,830	LF	1985
PE	6"	2,040	LF	1986
PE	6"	7,690	LF	1995
PE	6"	8,725	LF	2004
PE	8"	610	LF	1985
PE	8"	300	LF	1986
PE	8"	2,990	LF	1995
Services and Valves				
PE Pipe (Services)	2"	3,300	LF	1985
PE Pipe (Services)	2"	7,500	LF	1986
PE Pipe (Services)	2"	1,500	LF	1995
PE Pipe (Services)	2"	1,000	LF	1996
Regulators (Services)	2"	33	EA	1985
Regulators (Services)	2"	75	EA	1986
Regulators (Services)	2"	15	EA	1995
Regulators (Services)	2"	10	EA	1996
Plug Valves (Services)	2"	66	EA	1985
Plug Valves (Services)	2"	150	EA	1986
Plug Valves (Services)	2"	30	EA	1995
Plug Valves (Services)	2"	20	EA	1996
Main Valves	2½"	5	EA	1985
Main Valves	2½"	63	EA	1986
Main Valves	2½"	1	EA	1996
Main Valves	3"	14	EA	1985
Main Valves	3"	17	EA	1995

Component	Size	Quantity	Unit	Approximate Year of Construction
Main Valves	4"	8	EA	1985
Main Valves	4"	10	EA	1986
Main Valves	4"	20	EA	1995
Main Valves	6"	5	EA	1985
Main Valves	6"	2	EA	1986
Main Valves	6"	8	EA	1995
Main Valves	6"	8	EA	2004
Main Valves	8"	1	EA	1985
Main Valves	8"	3	EA	1995
Meters				
Meters	¾"	4	EA	1985 - 1996
Meters	1"	8	EA	1986 - 1995
Meters	1¼"	8	EA	1986 - 1996
Meters	1½"	32	EA	1986 - 1996
Meters	2"	31	EA	1985 - 1995
Meters	3"	5	EA	1986
Meters	4"	4	EA	1985 - 1995
MILITARY FAMILY HOUSING (HOUSING AREAS D, E, F, AND G)				
Pipe				
Black/C&W Steel	2-2½"	18,090	LF	1986
Black/C&W Steel	4"	5,890	LF	1986
Black/C&W Steel	6"	420	LF	1986
PE	2-2½"	4,790	LF	1978
PE	2-2½"	14,900	LF	1994
PE	4"	5,600	LF	1978
PE	4"	1,730	LF	1994
Services and Valves				
PE Pipe (Services)	1"	13,050	LF	1978
PE Pipe (Services)	1"	14,850	LF	1986
PE Pipe (Services)	1"	12,225	LF	1994
Regulators (Services)	¾"	75	EA	1978
Regulators (Services)	¾"	198	EA	1986
Regulators (Services)	¾"	163	EA	1994
Plug Valves (Services)	¾"	150	EA	1978
Plug Valves (Services)	¾"	396	EA	1986
Plug Valves (Services)	¾"	326	EA	1994
Main Valves	3"	11	EA	1978
Main Valves	3"	82	EA	1986
Main Valves	3"	6	EA	1994
Meters				
Meters	2"	1	EA	1994
LITTLE MOUNTAIN				
PE Pipe	2-2½"	10,500	LF	1995
PE Pipe (Services)	2"	1,500	LF	1995
Regulators (Services)	2"	15	EA	1995

Component	Size	Quantity	Unit	Approximate Year of Construction
Plug Valves (Services)	2"	30	EA	1995
Main Valves	2"	10	EA	1995
UTTR				
PE Pipe	3"	17,300	LF	1991
PE Pipe	4"	4,000	LF	1991
PE Pipe (Services)	2"	2,000	LF	1991
Regulators (Services)	2"	20	EA	1991
Plug Valves (Services)	2"	40	EA	1991
Main Valves	3"	15	EA	1991

Notes:
 C&W = coated and wrapped
 PE = polyethylene
 EA = each
 LF = linear feet

J2.2.2 Natural Gas Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools potentially available in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
 Spare Parts
 Natural Gas Distribution System - Hill AFB

Item	Description	Remarks
Fusion Couplings	Various sizes	Quantity Varies
Misc. Valves & Fittings	Various sizes	Quantity Varies
Poly Pipe	Various sizes	Quantity Varies

TABLE 3
 Specialized Vehicles and Tools
 Natural Gas Distribution System - Hill AFB

Description	Quantity	Location
None		

J2.2.3 Natural Gas Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
 Manuals, Drawings, and Records
Natural Gas Distribution System - Hill AFB

Quantity	Item	Description	Remarks
1	Drawing	Comprehensive Plan, G-5 Tabs, 1993	Sheets 1-5
1	Utility Map	Utah Test and Training Range	1"=1200'
1	Utility Map	Little Mountain Test Annex	
1	Reference Volume	Isolation Valves	Plumbing Shop
1	Utility Map	Cathodic Protection Systems	

J2.3 Specific Service Requirements

The service requirements for the Hill AFB natural gas distribution system are as defined in the Section C, *Description/Specifications/Work Statement*. The following requirements are specific to the Hill AFB natural gas distribution system and are in addition to those found in Section C. If there is a conflict between requirements described below and Section C, the requirements listed below take precedence over those found in Section C.

- The Contractor will be required to mark his own utilities and will be responsible for initiating, officiating, and tracking digging permits for his own utilities. The Contractor will provide not less than 5 and not more than 15 working days notice of any needed excavations to 75 CES and to said Utilities Privatization Administrative Contracting Officer so the location of underground utilities may be located and marked by the applicable utility owner.
- The Contractor shall enter into a Memorandum of Understanding (MOU) with the Base Fire Department for fire protection of all facilities included in the purchase of the utility. The MOU shall be completed during the transition period and a copy provided to the Contracting Officer.
- Because of the critical nature of many Hill AFB mission requirements, response to natural gas problems must be immediate. For the Main Base, the Contractor must have a first response on the scene not later than 30 minutes (24 hours a day / 7 days a week) after notification.

J2.4 Current Service Arrangement

Questar delivers natural gas to Hill AFB at nine delivery points along the perimeter of the Base at a pressure of 200 - 400 psig. From the metering points, the gas is odorized and reduced to a distribution pressure of 35 - 40 psig. The gas supply is purchased via a Government-wide supply contract. The present natural gas supplier for the heating plants is Wasatch Energy Corporation of Utah. All other gas is purchased from Questar, including the requirements for UTTR and Little Mountain. Gas is delivered at several different rates: one residential rate for housing, a firm rate for up to 1,000 decatherms (DTH)/day with the

remainder at an interruptible rate. (The firm rate has been recently adjusted to reflect a 3,400 DTH/day level because of the new Corrosion Hangar load.) The peak usage month for fiscal year (FY) 2002 was January with consumption at 671,000 thousand cubic feet (MCF); July had the lowest consumption of 26,000 MCF. The monthly average usage for the Main Base, UTTR, Little Mountain, and MFH combined, based on FY 2002 data, was 277,768 MCF. **Table 5** details average monthly consumption for FY 2002 by location:

TABLE 5
 Average Monthly Consumption
 Natural Gas Distribution System - Hill AFB

Location	MCF
Main Base	131,860
UTTR	34,768
Little Mountain	11,580
MFH	99,560

J2.5 Secondary Metering

J2.5.1 Existing Secondary Meters

Table 6 provides a listing of the existing secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J2.6 below.

TABLE 6
 Existing Secondary Meters
 Natural Gas Distribution System - Hill AFB

Building Number	Facility	Meter Size
3	388 th	2"
25	388 th	2"
40 W	388 th	1 ½"
42 E	388 th	1 ½"
43 E	388 th	1 ½"
45 W	388 th	1 ½"
150	O'CLUB	1 ½"
179	UNION	1 ½"
202	Maintenance Shed	1 ½"
204	C130 Test Hangar	1 ½"
220 E	CORR CTN	2"
230	Restaurant	1 ½"
238	ISROM	2"
238	Autoclave	4"
240	GTE Engine Test Cell	2"
270	TI Shop	4"

Building Number	Facility	Meter Size
275	A-10 Paint Hangar	2"
308	Retail	1 ½"
383	Human Rec/Edu	2"
385	NCO Leadership School	2"
400	Commissary	3"
401	Vet Clinic	1"
418	Burger King	1 ¼"
420	Mini Mall	1 ½"
430	Retail	2"
431	Credit Union	2"
441	Theater	1 ½"
442	1 SEC BK	1 ½"
450	NCO Club	1 ½"
460 W	REC CTR	1 ½"
460 S	REC CTR	1 ½"
470	Child Care Center	2"
472	TLF	2"
480	VOQ	2"
505	LI	3"
507 E	LND Gear	3"
507 S	LND Gear	3"
507 SW	LND Gear	1 ½"
511 SE	ACFT Shop	1 ½"
511 NE	ACFT Shop	1 ½"
511 N	ACFT Shop	1 ½"
534	Auto Hobby	
544	Family Camp	1 ¼"
545		1"
546		1"
547	New Bldg	1"
550	New Hospital	1 ½"
553	SP Pass & ID	1 ½"
555	Social Actions	2"
567	MAINT DOC FL	3"
568	MED TNG	1 ½"
570	New Hospital Annex	1 ½"
590	419 th FW	2"
755	OU1 EM Clean-up	1 ¼"
759	RADAR SUP	¾"
837		2"
843 S		2"
843 SW		2"
847	Maintenance Shop	4"
847	SW New Addition	1 ½"
847	Ovens	2"
875	6842385	
880		1"
881 NE		¾"
881 NW	262934	1"
883	Youth Center	2"

Building Number	Facility	Meter Size
888 S	Salvage	2"
888 N	Salvage	2"
891 W	LSOC	4"
891 E	LSOC	1 ¼"
890 N	DRMO	1 ¼"
893	DRMO	¾"
906	War Readiness Whse	1 ¼"
916	Snow Barn	2"
919	THOR Shelter	¾"
1235	Restaurant	2"
1424	SHP MSL ASMB	1 ½"
1515 N	INTEGR SPT Facility	2"
1515 S	INTEGR SPT Facility	1 ½"
1160	DEPMEDS	2"
1538	MSL RSCH TST	2"
1540	INTEGR SPT Facility	2"
1626		2"
1627		1 ½"
1701	Rail Shop	2"
1723	RR SHP Shelter	1"
1781	EOD	1 ½"
1915 S	SHP MSL SVC	
1917 S	SHP MSL SVC	
1936 S	729 CW	2"
1780	Dog House	1 ¼"
10758	Golf Ball Radar	1 ½"
10922	Car Wash	1 ½"

J2.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 7**. New secondary meters shall be installed IAW Paragraph C.13, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3.3 and J2.6 below.

TABLE 7

New Secondary Meters

Natural Gas Distribution System - Hill AFB

Building Number	Facility	Meter Size
Note: The Installation has identified no new, specific secondary meter requirements.		

J2.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. **Invoice** (IAW G.2): The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to:

Name: 75 CES/CEEE (AF Utilities Privatization)
Address: 7302 Wardleigh Road
Hill AFB, UT 84056
Phone number: (801) 777-5944

2. **Outage Report:** The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to:

Name: 75 CES/CEI (AF Utilities Privatization)
Address: 7302 Wardleigh Road
Hill AFB, UT 84056
Phone number: (801) 777-5944

3. **Meter Reading Report:** The monthly meter reading report shall show the current and previous month readings for all secondary meters. The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to:

Name: 75 CES/CEEE (AF Utilities Privatization)
Address: 7302 Wardleigh Road
Hill AFB, UT 84056
Phone number: (801) 777-5944

4. **System Efficiency Report:** If required by Paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to:

Name: 75 CES/CEI (AF Utilities Privatization)
Address: 7302 Wardleigh Road
Hill AFB, UT 84056
Phone number: (801) 777-5944

J2.7 Energy Saving Projects

There are currently no demand side management (DSM) or energy-saving performance contract (ESPC) arrangements that would have any significant effect on the natural gas distribution system.

A project is currently underway to pipe natural gas from a Davis County landfill just east of Hill AFB to the Installation. The natural gas will be used to power an electrical generator

with output integrated into the Hill AFB electrical distribution system. When completed, the new 8,725-foot gas pipeline will be owned by the Air Force and will thus be eligible for privatization with other natural gas components. Progress/status of this project will be available in the technical library.

J2.8 Service Area

IAW Paragraph C.4, Service Area, the service area is defined as all areas within the boundaries of Hill AFB proper and satellite locations.

J2.9 Off-Installation Sites

Gas systems for UTTR and Little Mountain are described in preceding paragraphs; there are no Government-owned natural gas assets to be considered on the other satellite locations.

J2.10 Specific Transition Requirements

IAW Paragraph C.13, Transition Plan, **Table 8** provides a listing of service connections and disconnections required upon transfer.

TABLE 8
 Service Connections and Disconnections
Natural Gas Distribution System - Hill AFB

Location	Description
None	

J2.11 Government Recognized System Deficiencies

Although there are unfunded future O&M projects programmed for Hill AFB, there are no significant system deficiencies. Hence there are no deficiencies listed in **Table 9**.

TABLE 9
 System Deficiencies
Natural Gas Distribution System - Hill AFB

Project Location	Project Description
None	